



GOLDSCHMIDT

Smart Rail Solutions



TRACKSCAN METRO

THE UNIQUE DEVICE FOR TRACK AND RAIL

WEAR GEOMETRY AND THIRD RAILS

Trackscan Metro continuously inspects full track geometry and head wear for each rail. Additionally, the device measures the conductor rail and can record results of visual track inspections.

TECHNICAL DATA

SPECIFICATIONS

Dimensions (L x W x H)	1 250 x 2 050 x 870 mm with laser heads for measuring conductor rail (folded) 1 250 x 2 710 x 870 mm with laser heads for measuring conductor rail (unfolded)
Weight	50 kg
Measuring increment	0.25 m
Gauge (measured)	Accuracy: ± 0.5 mm Measurement range: -15 ... +50 mm
Cant (measured)	Accuracy: ± 1.5 mm Measurement range: ± 200 mm
Twist (calculated)	Accuracy: ± 3.0 mm Measurement range: ± 200 mm
Gradient (calculated)	Accuracy: ± 1.0 mm Measurement range: ± 200 mm
Horizontal irregularities (extrapolated)	Accuracy: ± 0.2 mm Measurement range: ± 5 mm
Vertical irregularities (extrapolated)	Accuracy: ± 0.2 mm Measurement range: ± 2 mm
Rail cross-profile (measured)	Accuracy: ± 0.3 mm Resolution: 0.1 mm Rail head profile: left and right
Operating conditions	Temperature: -10 °C ... 50 °C Humidity: 15 ... 85 %, no condensation Rain and frost resistant
Memory capacity	1 400 km

BENEFITS

- Fast and accurate measurement of any type of rails
- Laser measurement heads enable accurate measurement of rail profiles and determination of rail head wear parameters
- Easy operation of the device during measurements
- Hot-swappable batteries – charged batteries on hand enable unlimited operating times
- On-board GPS receiver for documentation of measurement point coordinates
- Available for all track gauges
- Reliable measurement data acquisition and transfer via USB pen drive
- Flexible, custom-made software, export of measured data to documents in Excel, Word, PDF, DXF, and CSV formats

CONTENTS

- Trackscan Metro device incl. 2 batteries
- 2 additional batteries
- Device charger
- Transport box
- Software for data analysis
- Cloud based management or other features on request



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